

## MAIN INSTALLATION CHECKLIST

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<b>Operator: AMEREN ILLINOIS COMPANY</b>	Operator ID#: 32513
<b>Inspection Date(s): 10/28/2015</b>	Man Days: 1
<b>Inspection Unit: Marion</b>	
<b>Location of Audit: Carbondale/Marion</b>	
<b>Exit Meeting Contact:</b>	
<b>Inspection Type: Design Testing and Construction</b>	
<b>Pipeline Safety Representative(s): Valerie Schwing</b>	
<b>Company Representative to Receive Report: Michael Fuller</b>	
<b>Company Representative's Email Address: mfuller2@ameren.com</b>	

CONSTRUCTION INFORMATION		
<b>Location of Construction:</b> 225 North Giant City Road, Carbondale IL	<b>Construction Performed By:</b> Ameren Illinois	
<b>Contractor Foreman:</b>		
<b>Operator Inspector:</b>	Tim Hammers	
Person(s) On Job Site		
Tim Hammers	Taylor Cash	
<b>Description of Construction:</b> The construction project objective was to extend the existing two inch PE main previously installed in 2002.		

MAIN INSTALLATION		Status
[192.55]	Steel	No
[192.59]	PE	Yes
[192.59]	Other	No
[192.5]	Class location :	Class 1
[192.619,192.621,192.623]	MAOP	60 PSI
[192.63]	Pipe Size :	2 inch
[192.55,192.59]	Specification :	ASTM 2513

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[192.55,192.59]	Manufacturer :	DRISCOPLEX
[192.55,192.59]	Pipe Grade :	PE 2406/ PE 2708
[192.55,192.59]	Wall Thickness :	DR 11
[192.63(a)(2)]	Are pipe, valves, and fittings properly marked for identification?	Satisfactory
[192.227]	Date of Welder qualification:	Not Applicable
<b><u>General Comment:</u></b> <i>Metallic pipe was not used or exposed during construction.</i>		
[192.227]	Welder's Name:	Not Applicable
<b><u>General Comment:</u></b> <i>Metallic pipe was not used or exposed during construction.</i>		
[192.225,192.275,192.277,192.279,192.283]	Is pipe joined in accordance with approved written procedures?	Not Checked
<b><u>General Comment:</u></b> <i>Joining did not take place while Staff was at the construction site.</i>		
[192.285]	Date of Plastic Joining Qualification :	March 4, 2015
[192.285]	Joiner's name:	Tim Hammers
[192.455]	Is buried metallic pipe coated?	Not Applicable
<b><u>General Comment:</u></b> <i>Metallic pipe was not used or exposed during construction.</i>		
[192.461]	Does coating meet 192.461?	Satisfactory
[192.455(a)(1)]	Is cathodic protection being provided?	Satisfactory
<b><u>General Comment:</u></b> <i>Only plastic pipe was installed but an anode was connected to the tracer wire to provide cathodic protection for the wire.</i>		
[192.455(a)(1)]	Is cathodic protection being provided? By Anodes:	Yes
<b><u>General Comment:</u></b> <i>Only plastic pipe was installed but an anode was connected to the tracer wire to provide cathodic protection for the wire.</i>		
[192.455(a)(1)]	Is cathodic protection being provided? By Rectifier:	No
[192.461(c)]	Is coating inspected just prior to being installed in the ditch?	Not Applicable
<b><u>General Comment:</u></b> <i>Metallic pipe was not used or exposed during construction.</i>		
[192.467]	Are pipelines electrically isolated from other underground metallic structures?	Not Applicable

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<b><u>General Comment:</u></b>		
<i>Metallic pipe was not used or exposed during construction.</i>		
[192.479]	Are above ground facilities cleaned and coated or jacketed as needed?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>Metallic pipe was not used or exposed during construction.</i>		
[192.303]	Are comprehensive written construction specifications available and adhered to?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff reviewed the written construction specifications.</i>		
[192.305]	Are inspections performed by the operator to check adherence to the construction specifications?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The journeyman performed inspections during construction activities.</i>		
[192.307]	Is material being visually inspected at the site of installation to ensure against damage that could impair its serviceability?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff observed material being visually inspected at the site of installation to ensure against damage that could impair its serviceability.</i>		
[192.319]	Is ditch back-filled to provide firm support and prevent damage to pipe or coating?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff observed the ditch being back-filled to provide firm support and prevent damage to the PE pipe.</i>		
[192.321(c)]	Is plastic pipe installed as to minimize shear and tensile forces?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>A weak leak was used during directional boring to minimize tensile forces. Ameren personnel hand dug around the existing main to minimize shear forces.</i>		
[192.321(e)]	Does plastic pipe have means of locating while underground?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff observed the use of a tracer wire during construction.</i>		
[192.325]	Are required clearances from underground structures being maintained?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The two inch PE main was installed at a depth of 30 inches and with 12 inches of clearance of the other underground utilities.</i>		
[192.327]	Is required cover being obtained appropriate to type of pipeline and location?	<b>Satisfactory</b>

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<b><u>General Comment:</u></b>		
<i>The two inch PE main was installed at a depth of 30 inches and with 12 inches of clearance of the other underground utilities.</i>		
[192.503]	Are general testing requirements being met?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>Testing did not take place while Staff was at the construction site</i>		
[192.517]	Are records being made of strength and leak tests?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>Testing did not take place while Staff was at the construction site</i>		
[192.807]	Were covered employees Operator Qualification records reviewed to ensure qualification?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff reviewed Tim Hammers' qualifications.</i>		
[192.805(c)]	Were non-qualified personnel being directed and observed by a qualified individual?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>One Journeyman was instructing one unqualified personnel while hand digging.</i>		
[192.805(c)]	Were span of control limitations being followed?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>One Journeyman was instructing one unqualified personnel while hand digging.</i>		
Was a Protocol 9 (Form 15) Completed?		<b>No</b>
[192.614]	Were One Call Notifications performed as required?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff examined pipeline markers, flags, and the dig ticket.</i>		
[192.614]	Dig Ticket #	<b>X002941576</b> <b>Dig start :</b> <b>10/23/15 12:00:00</b> <b>Expires : 11/17/15</b> <b>23:59:00</b>
[192.751]	Are adequate steps taken to minimize the potential for accidental ignition?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>A fire extinguisher was present at the job site.</i>		
[192.719(b)]	Was each repair made by welding to a transmission line made in accordance with 192.713, 192.715, and 192.717 and examined in accordance with 192.241?	<b>Not Applicable</b>

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**General Comment:**

*Repairs were not made to a transmission line during this construction project.*

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